TABLE 88

Federal obligations for research and experimental development and for R&D plant for selected agencies, by state or location: FY 2019

(Dollars in thousands)

State or location	Total	R&D	R&D plant
All locations	142,499,708.8	138,170,254.9	4,329,453.
Alabama	5,539,805.1	5,414,464.9	125,340.
Alaska	340,888.7	334,240.4	6,648.
Arizona	2,013,773.0	2,001,235.9	12,537.
Arkansas	179,019.8	179,019.8	0.
California	19,835,122.2	19,158,610.5	676,511.
Colorado	5,632,971.8	5,267,919.7	365,052.
Connecticut	2,674,716.6	2,673,235.2	1,481.
Delaware	172,646.5	163,086.6	9,559.
District of Columbia	6,378,676.5	6,228,175.8	150,500
Florida	3,925,780.9	3,892,005.0	33,775
Georgia	1,510,510.6	1,503,918.0	6,592
Hawaii	436,229.5	411,940.0	24,289
Idaho	923,310.3	919,915.3	3,395
Illinois	3,469,680.5	2,998,344.6	471,335
Indiana	902,947.2	894,094.8	8,852
Iowa	519,861.0	517,779.2	2,081
Kansas	294,816.8	282,617.3	12,199
Kentucky	320,174.1	313,350.7	6,823
Louisiana	457,919.7	432,060.3	25,859
Maine	189,363.5	189,013.5	350
Maryland	17,640,752.4	16,992,340.3	648,412
Massachusetts	6,877,570.7	6,837,816.2	39,754
Michigan	2,138,319.1	2,053,699.5	84,619
Minnesota	1,032,347.9	1,029,355.9	2,992
Mississippi	518,664.1	505,111.8	13,552
Missouri	2,386,259.0	2,375,132.7	11,126
Montana	191,413.0	191,393.8	19
Nebraska	244,549.9	243,708.3	841
Nevada	376,060.9	375,083.5	977
New Hampshire	670,578.9	669,304.6	1,274
New Jersey	2,915,268.6	2,834,421.1	80,847
New Mexico	4,012,491.0	3,755,707.3	256,783
New York	6,291,990.4	6,162,335.7	129,654
North Carolina	2,440,375.1	2,417,439.8	22,935
North Dakota	73,249.5	73,020.1	229
Ohio	5,282,785.0	5,188,238.0	94,547
Oklahoma	516,671.9	505,865.6	10,806
Oregon	841,299.5	696,901.8	144,397
Pennsylvania	4,104,864.5	4,092,542.5	12,322
Rhode Island	750,257.0	722,584.7	27,672
South Carolina	667,768.3	645,951.1	21,817
South Dakota	89,152.7	88,897.7	255
Tennessee	4,091,509.7	3,578,413.6	513,096
Texas	5,132,018.1	5,067,493.3	64,524
Utah	1,301,136.4	1,301,136.4	04,024
Vermont	120,795.1	119,948.0	847
Virginia	8,132,740.7	8,028,901.8	103,838
Washington	3,251,187.6	3,195,255.2	55,932

## **TABLE 88**

## Federal obligations for research and experimental development and for R&D plant for selected agencies, by state or location: FY 2019

(Dollars in thousands)

State or location	Total	R&D	R&D plant
West Virginia	142,665.2	141,895.2	770.0
Wisconsin	852,075.0	839,542.6	12,532.4
Wyoming	78,203.3	67,645.9	10,557.3
Outlying areas	539,028.3	520,697.2	18,331.1
Puerto Rico	97,227.1	81,769.7	15,457.4
Other areas <sup>a</sup>	441,801.2	438,927.5	2,873.7
Offices abroad <sup>b</sup>	4,335.6	4,335.6	0.0
Undistributed <sup>c</sup>	3,073,110.3	3,073,110.3	0.0

<sup>&</sup>lt;sup>a</sup> Includes American Samoa, Baker Island, Guam, Howland Island, Jarvis Island, Johnston Atoll, Kingman Reef, Midway Islands, Navassa Island, Northern Mariana Islands, Palmyra Atoll, U.S. Virgin Islands, and Wake Island.

## Note(s):

Because of rounding, detail may not add to total. Eleven agencies are required to report data for this section of the survey: the Departments of Agriculture, Commerce, Defense, Energy, Health and Human Services, Homeland Security, the Interior, and Transportation; the Environmental Protection Agency; the National Aeronautics and Space Administration; and the National Science Foundation. Obligations of these 11 agencies represented more than 97% of total federal R&D and R&D plant obligations in FY 2019. Geographic distribution of DOD development funding to industry reflects location of prime contractors and not the numerous subcontractors who perform much of the R&D.

## Source(s):

National Center for Science and Engineering Statistics, Survey of Federal Funds for Research and Development, FYs 2019-20.

<sup>&</sup>lt;sup>b</sup> Includes R&D performed or administered in foreign countries by the U.S. government and federal obligations for R&D plant located in foreign countries.

<sup>&</sup>lt;sup>c</sup> Department of Defense (DOD) obligations for which the location of performance is not reported, and Department of Health and Human Services' Biomedical Advanced Research and Development Authority obligations for which the location of performance could not be reported for FY 2019.